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(19) **United States**(12) **Patent Application Publication****XIAO et al.**(10) **Pub. No.: US 2021/0238221 A1**(43) **Pub. Date: Aug. 5, 2021**(54) **TRIPTOLIDE DERIVATIVE AND PREPARATION METHOD THEREFOR AND USE THEREOF**(71) Applicants: **Cinkate Pharmaceutical Intermediates Co., Ltd.**, Pudong New Area Shanghai (CN); **Cinkate Pharm Tech (Shanghai) Co., Ltd.**, Pudong New Area Shanghai (CN)(72) Inventors: **Fei XIAO**, Pudong New Area Shanghai (CN); **Bo QIU**, Pudong New Area Shanghai (CN); **Peng ZHANG**, Pudong New Area Shanghai (CN)(21) Appl. No.: **16/757,799**(22) PCT Filed: **Apr. 18, 2018**(86) PCT No.: **PCT/CN2018/083525**

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(57)

ABSTRACT

A triptolide derivative, a preparation method therefor, and a method for use thereof are described. The triptolide derivative has the structure as shown in general formula I, and the definition of each substituent is as described in the description and claims. The triptolide derivative has improved immunosuppressive activity and anti-tumor activity, low toxicity and high safety, thus having good development and application prospects.

